CALENDAR

Information in the calendar is compiled from a file maintained in the PHYSICS TODAY office. Readers are invited to write or telephone for general calendar information beyond what we print. For complete information concerning an entry, readers are advised to consult the contact. The date at the end of each item refers to the issue of PHYSICS TODAY in which the item is listed with more detail than appears in subsequent issues.

ABBREVIATIONS: AAPT, American Association of Physics Teachers; AAS, American Astronomical Society; ACA, American Crystallographic Association; APS, American Physical Society; ASA, Acoustical Society of America; OSA, Optical Society of America; S of R, Society of Rheology; AEC, US Atomic Energy Commission; AFCRL, Air Force Cambridge Research Laboratories; AVS, American Vacuum Society; IAEA, International Atomic Energy Agency; IEEE, Institute of Electrical and Electronics Engineers; IPPS, The Institute of Physics and The Physical Society; IUPAP, International Union of Pure and Applied Physics; NBS, National Bureau of Standards; ORNL, Oak Ridge National Laboratory.

CODING of each item is as follows: date **subject** □ HOST □ Location (*Contact*) [submission deadline] *PT ref.*

• new listing ♦ new information

AUGUST 1968

1–7 **Plasmas and Controlled Nuclear Fusion** □ IAEA □ Novosibirsk, USSR *(J. H. Kane)* [1/15] *1/68*

6–15 **Medical Radioisotope Scintigraphy** □ IAEA □ Salzburg, Austria *(G. J. Hine & H. Vetter)* [3/1] *11/67*

7–9 **Ellipsometry** □ U. OF NEBRASKA □ Lincoln, Neb. *(N. M. Bashara) 9/67*

7–13 **Meteorite Research** □ IAEA □ Vienna, Austria *(J. H. Kane)* [2/28] *4/68*

11–14 **Preparation and Properties of Electronic Materials: Optical and Nuclear Radiation** □ THE METALLURGICAL SOCIETY □ Chicago, Ill. *(L. R. Weisberg)* [5/1] *6/68*

11–31 **Critical Phenomena** □ CANADIAN ASSOCIATION OF PHYSICISTS □ Banff, Alberta, Canada, *(D. L. Hunter) 3/68*

12–16 □ ACA □ Buffalo, N. Y. *(D. Harker) 10/67*

12–16 **Liquid Crystals** □ KENT STATE U. □ Kent, Ohio *(G. H. Brown)* [5/1] *2/68*

19–21 **Thermoluminescent Dosimetry** □ U. OF WISCONSIN MEDICAL CENTER □ Madison, Wisc. *(J. R. Cameron) 4/68*

19–24 **Summer Conference** □ NEW ENGLAND ASSOCIATION OF CHEMISTRY TEACHERS □ Wesleyan U., Middleton, Conn. *(P. Testa) 7/68*

20–23 **Molecular Luminescence** □ LOYOLA U. □ Chicago *(E. C. Lim) 4/68*

20–23 **National Electronics Convention** □ INSTITUTION OF ELECTRONIC AND RADIO ENGINEERS, NEW ZEALAND ELECTRONICS INSTITUTE □ Auckland, New Zealand *(The Secretary)* [2/26] *6/68*

21–23 □ AAS □ University of Victoria,

AUGUST 1968

Victoria, B. C., Canada *(G. C. McVittie) 11/67*

21–23 **Applications of X-Ray Analysis** □ DENVER RESEARCH INSTITUTE □ U. of Denver, Colo. *(J. B. Newkirk) 10/67*

21–28 **Low-Temperature Physics** □ U. OF ST. ANDREWS □ St. Andrews, Scotland *(D. M. Finlayson) 10/67*

26–28 **Abundant Nuclear Energy** □ AEC, ORNL □ Gatlinburg, Tenn. *(Special Projects Office, Oak Ridge Associated Universities 7/68*

26–29 **Standards Laboratory Conference** □ NATIONAL CONFERENCE OF STANDARDS LABORATORIES □ Boulder, Colo. *(G. Goulette)* [3/15] *5/68*

26–30 **Reactivity in Solids** □ INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY □ Schenectady, N. Y. (R. W. Roberts) [2/2] *10/67*

26–31 **Applied Mechanics** □ STANFORD U. □ Stanford, Calif. *(C. R. Steele)* [2/2] *10/67*

29–31 **AC Properties of Superconductors and Their Applications** □ IPPS, IUPAP □ Coventry, England *(Meetings Officer, IPPS)* [6/7] *5/68*

SEPTEMBER 1968

2–6 **Laboratory Astrophysics** □ IUPAP □ Lunteren, Netherlands *(J. Rosenberg)* [4/30] *6/68*

3,4 **Electron Mean Free Paths in Metals** □ EIDGENÖSSISCHE TECHNISCHE HOCHSCHULE □ Zürich, Switzerland *(J. L. Olsen) 5/68*

3–6 **Solid-State Devices** □ IPPS, IEEE □ Manchester, England *(Meetings Officer, IPPS) 6/68*

3–6 **Macromolecular Chemistry** □ INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY □ Toronto *(Organizing Committee) 1/68*

3–6 **Light Scattering Spectra in Solids** □ IUPAP □ New York *(J. Birman)* [3/15] *2/68*

3–7 **Molecular Structure and Spectroscopy** □ OHIO STATE U. □ Columbus, Ohio *(K. N. Rao) 5/68*

4–6 **Physics and Chemistry of Electrophotography** □ INSTITUTE OF OPTICS, U. OF ROCHESTER □ Rochester, N. Y. *(W. L. Hyde)* [6/1] *1/68*

9–12 **Elementary Particles** □ IPPS □ London *(Meetings Officer, IPPS) 2/68*

9–14 **Physics of Ice** □ FEDERAL MINISTRY OF SCIENTIFIC RESEARCH, BAVARIAN STATE MINISTRY OF EDUCATION AND CULTURE □ Munich, Germany *(N. Riehl)* [6/1] *6/68*

9–14 **Arnold Sommerfeld Centennial Memorial Meeting and Symposium on Physics of One- and Two-Electron Atoms** □ IUPAP □ Munich, Germany
for memorial session: *(F. Bopp) 2/68*
for symposium: *(H. Kleinpoppen) 6/68*

9–14 **Statistical Mechanics** □ IUPAP □ Tokyo *(R. Kubo) 1/68*

10–13 **Nuclear Electronics** □ SOCIÉTÉ FRANÇAISE DES ELECTRONICIENS ET RADIOÉLECTRICIENS □ Versailles, France *(Colloque International sur l'Electronique Nucléaire) 5/68*

10–15 **Magnetic Oxides** □ INSTITUTE OF PHYSICS OF THE ACADEMY OF SR ROMANIA □ Bucharest, Romania *(M. Rosenberg) 10/67*

11–13 **Physical Aspects of Noise in Electronics** □ IPPS □ *(Meetings Officer, IPPS)* [5/31] *1/68*

11–19 **Integration of Science Teaching** □ INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS □ Varna, Bulgaria *(P. Fleury) 5/68*

12, 13 **Solid-State Sensors and Transducers** □ IEEE □ Minneapolis, Minn. *(M. M. Atalla)* [4/17] *6/68*

12–14 **Structural Properties of Hydroxyapatite and Related Compounds** □ OFFICE OF NAVAL RESEARCH, NBS □ Gaithersburg, Md. *(R. A. Young) 6/68*

16–18 **Advanced Space Experiments** □ AMERICAN ASTRONAUTICAL SOCIETY □ Ann Arbor, Mich. *(P. A. Brooks) 7/68*

16–19 **Liquid Dielectrics** □ CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIC □ Grenoble, France *(N. J. Felici)* [2/1] *5/68*

16–19 **National Meeting** □ ELECTRON MICROSCOPY SOCIETY OF AMERICA □ New Orleans, La. *(W. P. Jollie) 6/68*

16–20 **Microwave and Optical Generation and Amplification** □ IEEE □ Hamburg, F. R. Germany *(MOGA 68)* [4/10] *6/68*

16–21 □ 15TH AMPERE COLLOQUIUM □ St. Martin d'Hères, France *(P. Averbuch) 9/67*

16–21 **Optical and Spectroscopic Phenomena in Ionic Crystals** □ INSTITUTE OF PHYSICS OF THE ROMANIAN ACADEMY □ Bucharest, Romania *(M. Giurgea)* [3/30] *5/68*

17–20 **Engineering Uses of Holography** □ U. OF STRATHCLYDE, NATIONAL PHYSICAL LABORATORY □ Glasgow, England *(E. R. Robertson) 7/68*

18, 19 **Electrical Properties of Polymers** □ IPPS □ University of Wales, Cardiff *(M. E. Baird)* [6/15] *7/68*

18–20 **Gas-Filled Valves** □ IPPS □ U.

of Southampton, England *(Meetings Officer, IPPS)* [6/7] *6/68*

23–26 **Plasma Diagnostics** □ IPPS □ Culham Laboratory, England *(Meetings Officer, IPPS)* [3/1] *5/68*

23–27 **Vacancies and Interstitials in Metals** □ IUPAP □ Jülich, Germany *(W. Schilling)* [5/15] *11/67*

23–27 **Color Centers in Alkali Halides** □ IUPAP □ Rome, Italy *(U. M. Grassano)* [6/30] *6/68*

24–26 **Laser Measurements** □ INTERNATIONAL SCIENTIFIC RADIO UNION □ Warsaw, Poland *(S. Hahn)* [2/1] *10/67*

25–27 **Stresses in Composite Materials** □ IPPS □ Cranfield, England *(Meetings Officer, IPPS)* [12/1] *1/68*

25–27 **Ultrasonics** □ IEEE □ New York *(F. M. Smits)* [7/15] *2/68*

OCTOBER 1968

2–4 **Textures in Research and Practice** □ INSTITUT FÜR METALLKUNDE UND METALLPHYSIK □ Clausthal, Germany *(Institut für Metallkunde and Metallphysik, Technische Hochschule Clausthal) 6/68*

2–11 **International Congress** □ S OF R □ Kyoto, Japan *(M. Horio)* [3/1] *6/68*

4, 5 **Low-Energy Nuclear Physics** □ NEW YORK STATE SECTION-APS □ State University of New York at Albany *(J. Smith) 5/68*

5, 6 • **Electron-Magnetic Field Interactions** □ APS NEW ENGLAND SECTION □ Dartmouth College, Hanover, N. H. *(J. J. Quinn, Physics Dept., Brown University, Providence, R. I. 02912) 8/68*

7–10 **Thermal Conductivity** □ THERMOPHYSICAL PROPERTIES RESEARCH CENTER □ Purdue U., West Lafayette, Ind. *(W. H. Shafer) 7/68*

8–10 **Analytical Chemistry in Nuclear Technology** □ ORNL □ Gatlinburg, Tenn. *(L. J. Brady)* [7/1] *7/68*

9–12 **Annual Meeting** □ OSA □ Pittsburgh, Pa. *(M. E. Warga)* [7/8] *7/68*

10, 11 **Applications of Ferroelectrics** □ CATHOLIC U. OF AMERICA, IEEE □ Washington, D. C. *(H. L. Stadler)* [7/1] *7/68*

14–17 **Plasma Instabilities in Astrophysics** □ APS, AAS, AEC □ Pacific Grove, Calif. *(P. A. Sturrock)* [7/1] *7/68*

14–18 **Packaging and Transportation of Radioactive Materials** □ ORNL, AEC □ Gatlinburg, Tenn. *(K. W. Haff)* [1/1] *2/68*

15–17 **Switching and Automata Theory** □ IEEE □ Schenectady, N. Y. *(P. M. Lewis, II)* [8/17] *7/68*

16–18 **Gaseous Electronics** □ APS, JOINT INSTITUTE FOR LABORATORY ASTROPHYSICS □ Boulder, Colo. *(G. H. Dunn)* [8/26] *6/68*

19 • □ AAPT IOWA SECTION □ Parsons College, Fairfield, Iowa *(E. B. Nelson, U. of Iowa, Iowa City, Iowa) 8/68*

20–23 **Electrical Insulation and Dielectric Phenomena** □ NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL □ Buck Hill Falls, Pa. *(R. A. Cliffe) 7/68*

21–23 **Silicon Carbide** □ AFCRL □ University Park, Pa. *(J. W. Faust) 4/68*

21–23 • **Annual Meeting** □ SOLAR ENERGY SOCIETY □ Palo Alto, Calif. *(Solar Energy Society, Arizona State U., Tempe, Ariz. 85281) 8/68*

Topics: instrumentation, solar-energy conversion, solar distillation, solar-energy research, applications to industry and developing countries.

21–25 **Advanced and High-Temperature Gas-Cooled Reactors** □ IAEA □ Jülich, Germany *(J. H. Kane)* [7/1] *6/68*

23–25 • **Electron Devices** □ IEEE □ Washington, D. C. *(A. Chisholm, 1968 International Electron Devices Meeting, Bell Telephone Laboratories, Murray Hill, N. J. 07974)* [7/1] *8/68*

Topics: integrated electronics, solid-state devices, electron tubes, imaging and display devices, quantum-electronic devices, energy-conversion devices.

23–25 **Nuclear Science** □ IEEE □ Montreal, Canada *(R. Green)* [5/10] *7/68*

24, 25 • **Image Information Recovery** □ SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS □ Philadelphia, Pa. *(D. L. Kelly, Gulf Research and Development Corp, P. O. Drawer 2038, Pittsburgh, Pa. 15230)* [6/15] *8/68*

Topics: properties of photosensitive materials that effect information recovery, instrumentation problems and concepts, information processing, systems in use.

28, 29 **Hybrid Microelectronics** □ INTERNATIONAL SOCIETY FOR HYBRID MICROELECTRONICS, IEEE □ Rosemont, Ill. *(A. H. Mones)* [6/1] *7/68*

28–30 **Applied Superconductivity** □ APS, AEC, IEEE, ORNL □ Gatlinburg, Tenn. *(W. F. Gauster)* [8/5] *6/68*

28–31 **Instrumentation** □ INSTRUMENT SOCIETY OF AMERICA □ New York *(O. W. Williams)* [2/1] *1/68*

29–1 **Annual Symposium** □ AVS □ Pittsburgh, Pa. *(W. J. Lange)* [6/15] *4/68*

NOVEMBER 1968

6–8 **Pittsburgh Diffraction Conference** □ MELLON INSTITUTE □

NOVEMBER 1968

Pittsburgh, Pa. *(S. Diamond)* [9/9] *7/68*

10–15 **Winter Meeting** □ AMERICAN NUCLEAR SOCIETY □ Washington, D. C. *(F. Schroeder)* [7/15] *6/68*

13–16 **Annual Meeting** □ PLASMA PHYSICS DIV.-APS □ Miami Beach, Fla. *(W. B. Ard)* [9/12] *7/68*

18–21 **Magnetism and Magnetic Materials** □ AIP, IEEE □ New York *(D. T. Teaney)* [8/9] *3/68*

19–21 □ ASA □ Cleveland, Ohio *(J. L. Hunter) 3/68*

19–21 **Physics in the Metal Forming Industries** □ IPPS □ Harrogate, Yorkshire England *(Meetings Officer, IPPS)* [4/30] *6/68*

21, 22 **Chemical Kinetics** □ U. OF NORTH CAROLINA □ Chapel Hill, N. C. *(L. Pedersen) 6/68*

25–27 **Fall Meeting and Nuclear Physics Div.** □ APS □ Miami Beach, Fla. *(W. W. Havens) 3/68*

DECEMBER 1968

2–4 □ AMERICAN GEOPHYSICAL UNION □ San Francisco *(J. C. Harrison)* [10/1] *2/68*

2–4 • **Reliability Physics** □ IEEE □ Washington, D. C. *(S. Schwartz, Code CQF, NASA/Electronics Research Center, 575 Technology Square, Cambridge, Mass. 02139)* [11/1] *8/68*

Topics: surface effects, test analysis, bulk effects, metallization, reliability improvement and prediction, mathematical models.

4–7 **Annual Meeting** □ AMERICAN ASSOCIATION OF PHYSICISTS IN MEDICINE □ Chicago *(R. O. Gorson* [10/1] *6/68*

11–13 □ AAS □ Austin, Tex. *(P. M. Routly) 3/68*

16–20 **Relativistic Astrophysics** □ SOUTHWEST CENTER FOR ADVANCED STUDIES □ Dallas *(I. Robinson) 9/67*

18–20 **Winter Meeting** □ APS □ San Diego *(W. Whaling)* [10/15] *2/68*

JANUARY 1969

11–15 **Annual Meeting** □ S OF R □ Williamsburg, Va. *(J. G. Brodnyan) 6/68*

13–17 • **Non-Metallic Crystals** □ IUPAP □ Delhi, India *(S. C. Jain, Physics Dept., Indian Institute of Technology, Delhi-29, India) 8/68*

FEBRUARY 1969

3–6 **Annual Meeting** □ AAPT-APS □ New York *(W. W. Havens) 4/68*

27–1 **Southwest Meeting** □ APS □ St. Louis, Mo. *(R. G. Sachs) 4/68*

MARCH 1969

6, 7 **Acoustical Holography** □ DOUGLAS ADVANCED RESEARCH LABORATORIES □ Huntington Beach, Calif. *(Secretary, 2nd International Symp. Acoust. Holography)* [12/2] *7/68*

11–15 □ OSA □ San Diego, Calif. *(M. E. Warga) 4/68*

13–15 **Isobaric Spin** □ APS □ Pacific Grove, Calif.

23–29 □ ACA □ Seattle, Wash.

24–26 **Chemical, High-Polymer and Solid-State Physics Div.** □ APS □ Philadelphia, Pa. *(W. W. Havens) 5/68*

APRIL 1969

8–11 • **Inaugural Meeting** □ EUROPEAN PHYSICAL SOCIETY □ Florence, Italy, *(L. Cohen, Secretary, IPPS, 47 Belgrave Square, London SW1) 8/68*

Topics: astronomy, astrophysics, cosmology and relativity, nuclear and elementary-particle physics, physics of condensed materials, atomic, molecular and plasma physics, quantum electronics and optics.

8–11 □ ASA □ Philadelphia, Pa.

21–25 • **Fundamental Aspects of Dislocation Theory** □ NBS □ Washington, D. C. *(R. deWit, Metallurgy Division, National Bureau of Standards, Washington, D. C. 20234)* (by invitation only) *8/68*

Topics: local and nonlocal static and dynamic theories, lattice theories, geometry and intrinsic properties of dislocations, interactions wih electrons and phonons, thermally activated processes.

21–25 • **50th Anniversary Meeting** □ AMERICAN GEOPHYSICAL UNION □ Washington, D. C. *(Geophysical Union Headquarters, 2100 Pennsylvania Ave. NW, Washington, D. C. 20037) 8/68*

21–25 • **Solid State Chemistry** □ ARIZONA STATE U. □ Scottsdale, Ariz. *(L. Eyring, Chem. Dept., Arizona State U., Tempe, Ariz. 85281) 8/68*

The conference will cover the chemistry of extended defects in nonmetallic solids.

28–30 • **Surface Science, Effusion and Evaporation** □ NEW MEXICO SECTION AVS, LOS ALAMOS SCIENTIFIC LABORATORY □ Los Alamos, N. M. *(C. Winkelman, Program Chairman, K-1, Los Alamos Scientific Lab., P. O. Box 1663, Los Alamos, N. M. 87544) 8/68*

Topics: applications of surface science and other techniques to a better understanding of evaporation and effusion studies.

28–1 **Spring Meeting and Nuclear Physics Div.** □ APS □ Washington, D. C. *(W. W. Havens) 5/68*

28–2 **Thin Films** □ INTERNATIONAL CONFERENCE ON THIN FILMS □ Boston, Mass. *(M. H. Francombe)* [11/29] *6/68*

MAY 1969

4–9 • **Spring Meeting** □ ELECTROCHEMICAL SOCIETY □ New York *(Electrochemical Society Inc., 30 East 42nd St., New York, N. Y. 10017) 8/68*

19–21 • **Offshore Technology** □ AMERICAN INSTITUTE OF MINING, METALLURGICAL AND PETROLEUM ENGINEERS □ Houston, Tex. *(C. K. Carlson, Public Relations, 345 East 47th St., New York, N. Y. 10017) 8/68*

26–28 • **Laser Engineering** □ IEEE □ Washington, D. C. *(F. R. Arams, Airborne Instruments Laboratory, Melville, N. Y. 11746)* [1/17] *8/68*

JUNE 1969

23–25 **Shock Tubes** □ APS □ Toronto

18–20 **Summer East Meeting** □ APS □ Rochester, N. Y. *(W. W. Havens) 6/68*

23–25 **Summer Meeting** □ AAPT □ St. Louis, Mo.

JULY 1969

14–18 • **Atomic Absorption Spectroscopy** □IPPS □ Sheffield, England *(AAS Conference Secretary, Society for Analytical Chemistry, 9–10, Saville Row, London, W1) 8/68*

AUGUST 1969

10–14 • **Medical Physics** □ US NAVAL COMMITTEE FOR MEDICAL PHYSICS, INTERNATIONAL ORGANIZATION FOR MEDICAL PHYSICS □ Boston *(E. W. Webster, Dept. of Radiology, Massachusetts General Hospital, Boston, Mass. 02114) 8/68*

13–21 **International Congress** □ INTERNATIONAL UNION OF CRYSTALLOGRAPHY □ Stony Brook, N. Y. *(International Union of Crystallography)* [6/1] *7/68*

SEPTEMBER 1969

2–4 **Summer West Meeting** □ APS □ Honolulu

OCTOBER 1969

5–10 • **Fall Meeting** □ ELECTROCHEMICAL SOCIETY □ Detroit *(Electrochemical Society Inc, 30 East 42nd St., New York, N. Y. 10017) 8/68*

19–21 □ S OF R □ St. Paul, Minn.

21–24 □ OSA □ Chicago

29–31 **Gaseous Electronics** □ APS □ Gatlinburg, Tenn.

JANUARY 1970

26–29 **Annual Meeting** □ APS □ Chicago □